

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 April 2004 (29.04.2004)

PCT

(10) International Publication Number  
**WO 2004/036174 A3**

(51) International Patent Classification<sup>7</sup>: G21K 1/06, 1/02,  
G01N 23/207, F16H 25/18

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(21) International Application Number:  
PCT/US2003/029817

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(22) International Filing Date:  
22 September 2003 (22.09.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,  
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/412,585 23 September 2002 (23.09.2002) US

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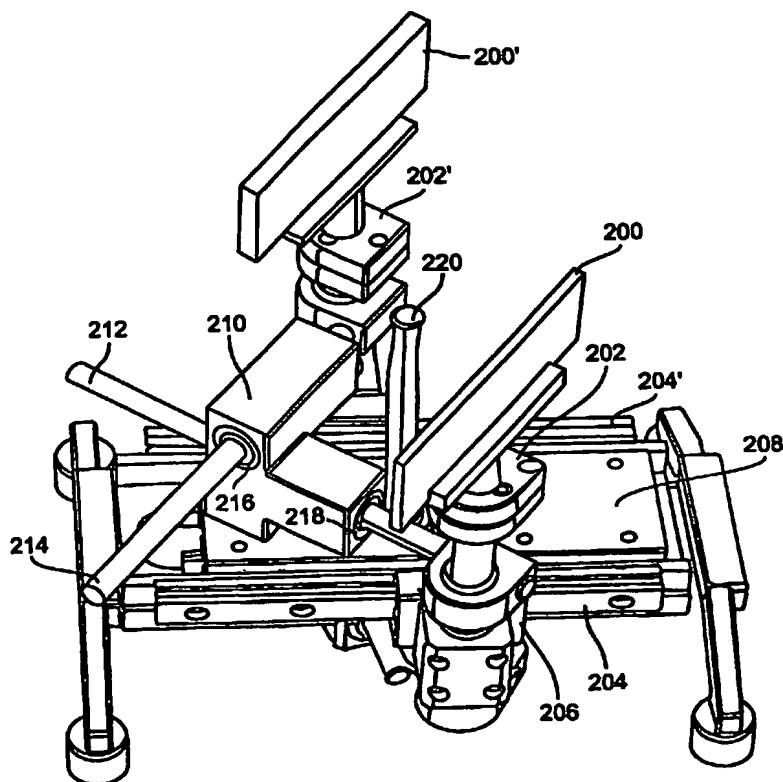
(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

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[Continued on next page]

(54) Title: DOUBLE CRYSTAL ANALYZER LINKAGE



(57) **Abstract:** A double crystal analyzer linkage includes the fixed pivot point, a fixed pivot point shaft, and three sliding axis points constrained to allow only sliding motion along given linear, parallel paths. The three paths are arranged such that one path passes through the fixed pivot point shaft on a central path and the two remaining paths are on opposite sides and equidistant from the central path. Two diffracting devices (200, 200') are mounted to axis points which traverse the outer paths (204, 204'). A right angle slide (210) constrains the two linear paths to only slide through a single axis point and constrains the two linear paths to be at right angles to each other. An inline slide constrains two paths to slide through a single axis point, and constrains the two paths to be parallel to each other. First (212) and second linkage (214) devices are connected to the right angle slide (210) and the two remaining axis points, and constrain the two diffracting devices (200, 200') to remain parallel at all times.



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

**(88) Date of publication of the international search report:**

10 June 2004